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(71) Applicant: **HITACHI LTD**  
(72) Inventor: **TAKEUCHI TERUAKI**  
**MARUYAMA YOJI**  
**IKEDA HITOSHI**  
**SUZUKI MAKOTO**

### (54) **MANUFACTURE OF MAGNETIC MEMORY DEVICE**

#### (57) Abstract:

**PURPOSE:** To form a hole with excellent perpendicularity on a side face with high accuracy and simple operation by forming a mask having a hole corresponding to the position required to open a hole on a magnetic garnet film and immersing the garnet film into an etching liquid while radiating a light.

**CONSTITUTION:** The mask 3 with a hole on the magnetic garnet film 1 glown onto a base 2 is made of gold, the mask is immersed on a phosphoric acid 5 and a light 4 is radiated by using an incandescent lamp from the upper part at the same time. The temperature of the part radiated by the light through the hole

by light radiation rises locally and the etching speed by the etching liquid, then the part subjected light radiation is etched selectively. Thus, the hole with excellent perpendicularity on the side face is formed to the magnetic thin film with high accuracy and simple operation.

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